REMARKS

Claims 1-24 were pending. Claim 1 has been amended, and claims 10-24 have been canceled. As a result of this amendment, claims 1-9 are pending. Reexamination and reconsideration are requested in light of the accompanying amendments and remarks.

Applicants confirm the election of Group I, claim 1-9. Claims 10-24 have been canceled without prejudice pending their resubmission in a timely filed divisional.

The drawings were objected to because reference numbers 206 in Fig. 2, and 130 and 300 in Fig. 3 were not mentioned in the description. A description has been added for each of these. No new matter has been added.

The drawings were also objected to as not showing every feature of the invention specified in the claims. New Fig. 4 has been added to show the various layers of the organic optoelectronic device.

The objection to claim 1 concerning the antecedent basis for the term "the electron transport layer" has been overcome. The claim has been amended to provide the proper antecedent basis. This amendment has been made for purposes of clarification and for no other purpose. It does not narrow the claim.

The rejection of claims 1-9 under 35 U.S.C. § 112, first paragraph as failing to comply with the written description requirement has been overcome. Claim 1 has been amended to remove the reference to "a luminescent layer." This amendment has been made for purposes of clarifying the claims and for no other purpose. It does not narrow the claims.

The rejection of claims 1-9 under 35 U.S.C. § 102(e), as being anticipated by Arai is respectfully traversed. The examiner stated that Arai shows an "organic optoelectronic device comprising a first electrode (22); a hole transport layer (24); a luminescent layer (25); and active layer (25); and a second electrode (col. 5, ln. 6-9), wherein at least one of the layers selected from the group consisting of the hole transport layer, the active layer, and the electron transport layer,

and combinations thereof, comprises a crosslinked molecularly doped polymer layer (col. 10, ln. 60-67).

Contrary to the examiner's position, nowhere in Arai is there any teaching of a crosslinked molecularly doped polymer layer. While Arai describes the use of dopants in various layers, it does not describe the formation of a crosslinked molecularly doped polymer layer, as claimed. The examiner specifically cites col. 10, lines 60-67, col. 11, lines 43-55, col. 9, lines 4-17, and col. 12, lines 14-27 as showing crosslinked molecularly doped polymer layers. However, in each case, various compounds are described as being suitable for different layers. Arai describes the deposition of the various layers as being by vapor deposition. See col. 11, lines 31-42, and col. 13, lines 9-34, and the examples. Arai does not describe any process involving making a crosslinked molecularly doped polymer layer.

Applicants are not claiming the use of various compounds in the different layers. Rather the claims recite that "at least one of the layers [is] selected from the group consisting of the hole transport layer, the active layer, and the electron transport layer, and combinations thereof, comprises a crosslinked molecularly doped polymer layer." The specification describes how the crosslinked molecularly doped polymer layers are formed.

Arai does not teach or suggest an organic optoelectronic device in which "at least one of the layers [is] selected from the group consisting of the hole transport layer, the active layer, and the electron transport layer, and combinations thereof, comprises a crosslinked molecularly doped polymer layer," as claimed. Therefore, claims 1-9 are not anticipated by Arai.

CONCLUSION

Applicants respectfully submit that, in view of the above amendment and remarks, the application is now in condition for allowance. Applicants respectfully request that claims 1-9 be passed to allowance.

If the Examiner has any questions or comments regarding the present application, he is invited to contact the undersigned attorney at the telephone number indicated below.

Respectfully submitted,

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